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What is claimed is:

1. A method for image capture at less than a nominal minimum focus distance of a camera, comprising the steps of:

selecting a close up operational mode for said camera; initiating image capture through a variable aperture at a first aperture size; collecting a predetermined amount of ambient scene light during image capture;

initiating closing of said variable aperture; and illuminating a flash unit during closing of said variable aperture at a predetermined restricted second aperture size corresponding to said close up operational mode.

- 2. The method of claim 1, wherein said step of collecting is performed with said variable aperture at a maximum aperture size.
- 3. The method of claim 1, wherein said step of selecting includes determining whether an object to be photographed is located at less than a nominal minimum focus distance of said camera.
- 4. The method of claim 3, wherein said step of determining includes determining whether an object to be photographed is located within one of a plurality of ranges less than said nominal minimum focus distance.
- 5. The method of claim 4, wherein said step of illuminating includes using a separate predetermined restricted second aperture size corresponding to each of said plurality of ranges.

- 6. The method of claim 4, wherein said step of collecting includes using a separate predetermined amount of ambient scene light corresponding to each of said plurality of ranges.
- 7. The method of claim 3, wherein said step of determining includes performing a range finding function with said camera.
- 8. The method of claim 1, wherein said step of illuminating includes detecting said predetermined restricted aperture size.
- 9. The method of claim 8, wherein said variable aperture is a scanning aperture shutter.
- 10. A camera, comprising:

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- an image capture system having a nominal minimum focus distance including a variable aperture; and
- an exposure control system operatively coupled to said image capture system and adapted to use a fill flash function to capture images at less than said nominal minimum focus distance.
- 11. The camera of claim 10, wherein said exposure control is adapted to collect a predetermined amount of ambient scene light during image capture, to initiate closing of said variable aperture, and illuminate a flash unit during closing of said variable aperture at a predetermined restricted aperture size.
- 12. The camera of claim 11, wherein said variable aperture uses a maximum aperture size for collecting said predetermined amount of ambient scene light.

- 13. The camera of claim 11, wherein said exposure control system includes a ranging system adapted to determine whether an object to be photographed is located at less than a nominal minimum focus distance of said camera.
- 14. The camera of claim 13, wherein said ranging system is adapted to determine whether an object to be photographed is located within one of a plurality of ranges less than said nominal minimum focus distance.
- 15. The camera of claim 14, wherein said exposure control system is adapted to illuminate said flash unit at a different predetermined restricted second aperture size corresponding to each of said plurality of ranges.
- 16. The camera of claim 14, wherein said exposure control system is adapted to collect a separate predetermined amount of ambient scene light corresponding to each of said plurality of ranges.
- 17. The camera of claim 11, wherein said image capture system includes a detector operatively connected to said exposure control system and adapted for sensing said predetermined restricted aperture size of said variable aperture.
- 18. The camera of claim 10, wherein said variable aperture is a scanning aperture shutter.
- 19. A camera for capturing images at less than a nominal minimum focus distance, comprising:
 - an image capture system having a nominal minimum focus distance including a variable aperture; and

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an exposure control system operatively coupled to said image capture system and including a photocell adapted to sense ambient scene light during image capture,

wherein said exposure control is adapted to

perform image capture with ambient light at a first aperture size,
sense a predetermined amount of ambient scene light during image capture,
initiate closing of said variable aperture, and
illuminate a flash unit during closing of said variable aperture at a
predetermined restricted second aperture size.

20. The camera of claim 19, further comprising a ranging system adapted to determine whether an object to be photographed is located within one of a plurality of ranges less than said nominal minimum focus distance, wherein said exposure control system is adapted to illuminate said flash unit at a different predetermined restricted second aperture size and to collect a separate predetermined amount of ambient scene light corresponding to each of said plurality of ranges.